

Name _____

Solve Each Equation. Check your solution.

1. $20 = 6x + 8$

2. $2y - 7 = 15$

3. $15 - 4g = -33$

4. $-9x + 36 = 72$

5. $-5c + 4 = 64$

6. $8h + 7 = -113$

7. $2x + 5 = 5$

8. $5m = -2m + 35$

9. $24 + 3m = 11m$

10. $3 + 6k = 7k$

11. $2(3m + 4) = 8m$

12. $-3b = 96 + b$

13. $2(x + 4) = 6x$

14. $12 - 6m = 2m + 36$

15. $3k - 5 = 7k + 7$

16. $7 + 6z = 8z - 13$

17. $3(6d - 7) = 3(5d + 1)$

18. $12p = 3(2 - 1p)$

19. $\frac{1}{3}(6m + 9) = \frac{1}{5}(20m + 35)$

Challenge:

20. $\frac{1}{2}(6n + 12) + \frac{1}{4}(12n + 16) = \frac{1}{5}(15n - 10)$

Graph line \overleftrightarrow{AB} and line \overleftrightarrow{CD} on the graph provided

Line \overleftrightarrow{AB} $y = 2x + 3$

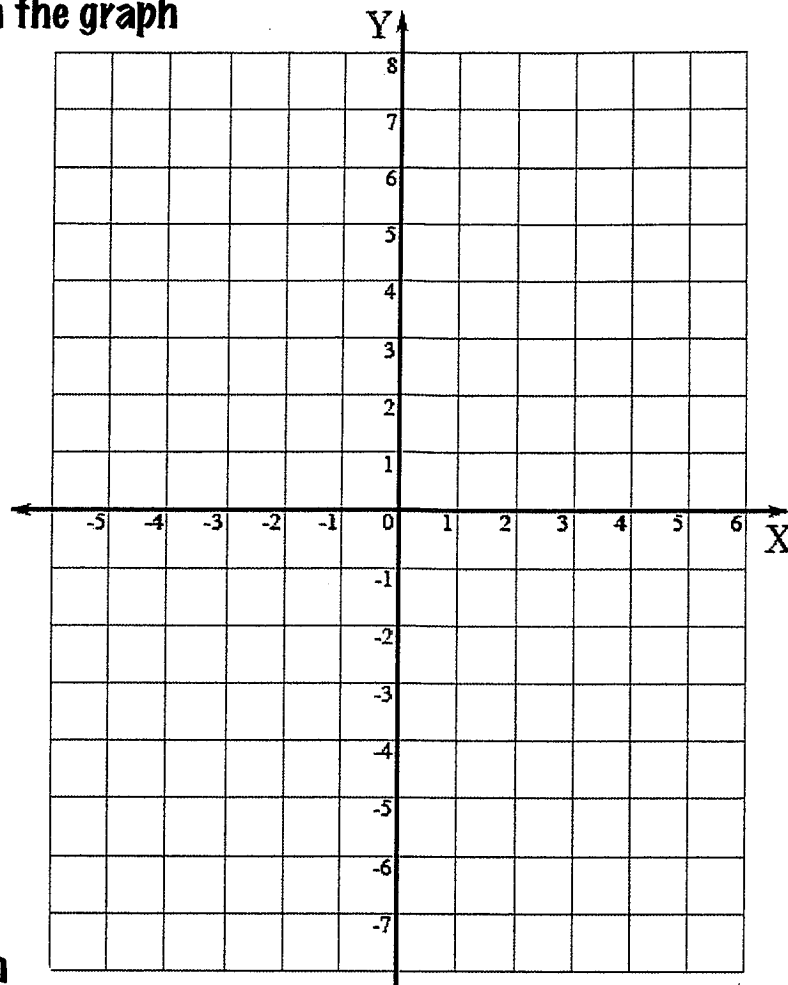
$m =$

$b =$

Line \overleftrightarrow{CD} $y = -1x - 2$

$m =$

$b =$



Graph line \overleftrightarrow{AB} and line \overleftrightarrow{CD} on the graph provided

Line \overleftrightarrow{AB} $y = \frac{1}{3}x + 5$

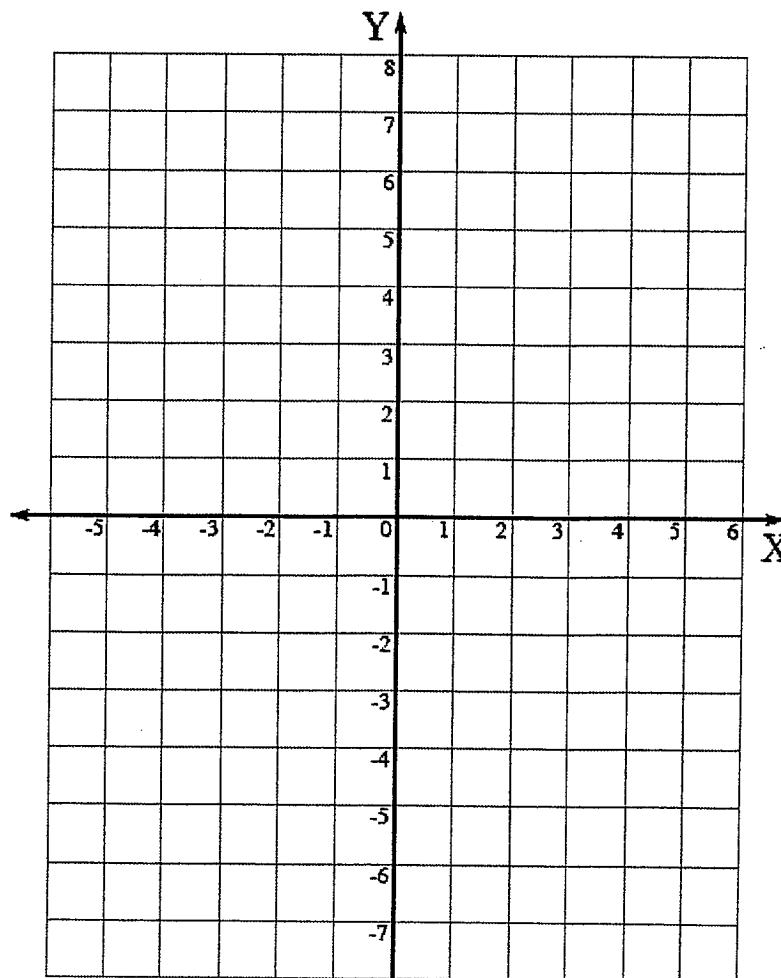
$m =$

$b =$

Line \overleftrightarrow{CD} $y = -\frac{2}{3}x - 2$

$m =$

$b =$



Graph line \overleftrightarrow{AB} and line \overleftrightarrow{CD} on the graph provided

Line \overleftrightarrow{AB} $y = \frac{3}{2}x - 6$

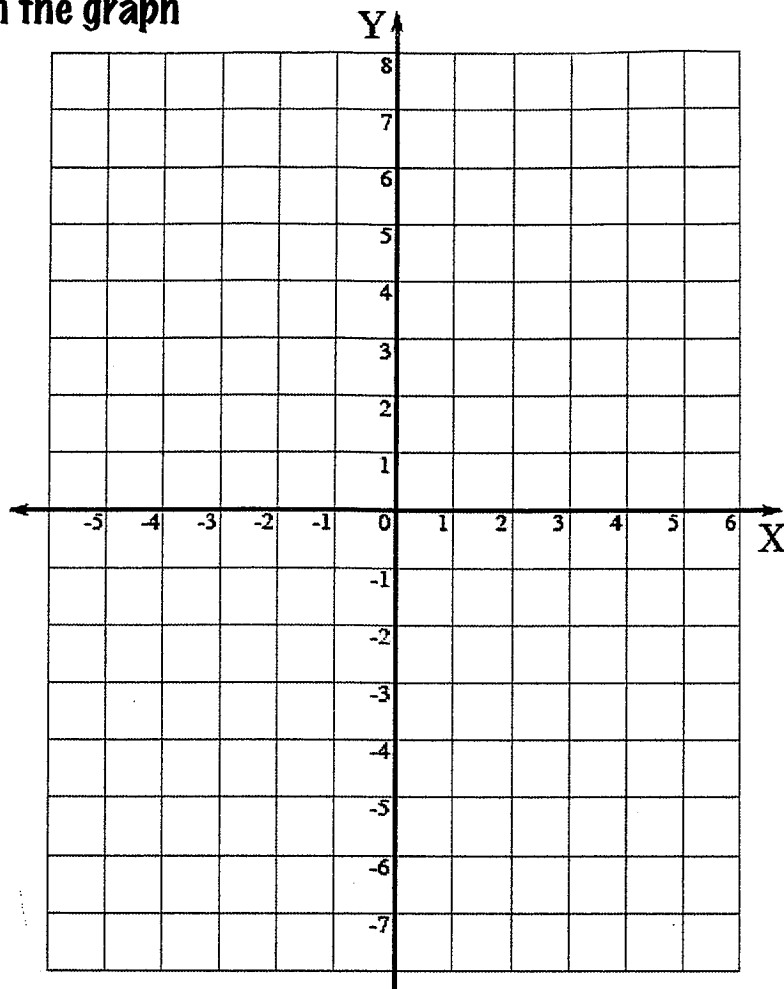
$m =$

$b =$

Line \overleftrightarrow{CD} $y = 7$

$m =$

$b =$



Graph line \overleftrightarrow{AB} and line \overleftrightarrow{CD} on the graph provided

Line \overleftrightarrow{AB} $y = -\frac{9}{2}x + 7$

$m =$

$b =$

Line \overleftrightarrow{CD} $x = -4$

$m =$

$b =$

